

ROICA Eco-Smart™ family is an unique, certified, eco high tech offer, able to meet responsible business needs and contemporary consumer desires for the modern wardrobe.

ROICA™ V550

Application | ACTIVATION / AQUA / STYLE#FIT / LEGWEAR / ESSENTIALS

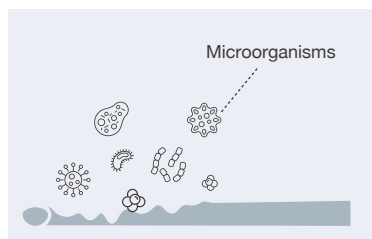
- Degradability in biological atmosphere without releasing harmful substances (Hohenstein and C2C)
- Giving the stretch solution for end-of-life cycle



▼ Degradability of ROICA™ V550

ROICA™ V550

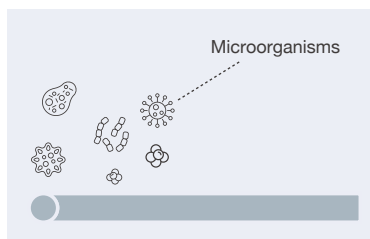
Under the microbiologically active soil.



The yarn is able to breakdown faster in microbiologically active soil.

Regular spandex in general

Under the microbiologically active soil.



The yarn is less likely to be affected by the microbiologically active soil.

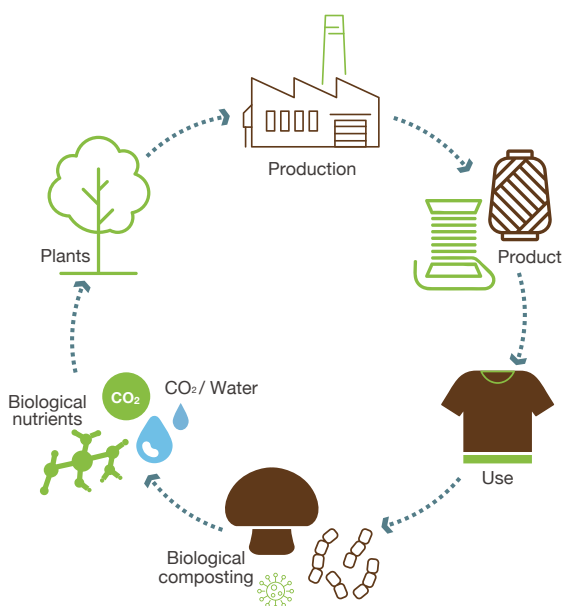
[Test Method]

Tested at the Hohenstein Laboratories GmbH & Co. KG in a soil burial test following DIN EN ISO 11721-2:2003. The tested article was incubated for 360 days under outdoor field conditions in microbiologically active soil. Based on examinations of the for 360 days utilized soil in

- Luminescent bacteria test (following DIN EN ISO 11348-1)
- Daphnia test (following DIN EN ISO 6341)
- ELS test (following DIN EN ISO 15088)

The tested article was rated as non-ecotoxic.

▼ Life cycle by using ROICA™ V550



- Environmentally friendly and safe for the biological environment, based on toxicological assessments and on practical investigations on biodegradability
- Suitable for typical applications in textile products, which are designed for the biological environment
- Decomposed to CO₂ and Water after degradation
- Degradation test under ISO14855 in process for the aim of end of life cycle
- Certified as Cradle to Cradle Material Health Gold level in Biological cycle

[Additional Advantages]

- Water savings in scouring and dyeing process
- Excellent heat set-ability
- Excellent molding performance
- Excellent printing performance with Polyester/Nylon with less colour bleeding
- Excellent dyeing behavior